

ABSTRACT OF THE DISCLOSURE
SYSTEM AND METHOD OF IMPLEMENTING A BUFFER MEMORY
AND HARD DISK DRIVE WRITE CONTROLLER

5 A method and system for writing data which includes the steps of: receiving a
write command, storing associated data in a buffer memory, determining whether or
not enough free space exists in the buffer memory to store a subsequent unit of write
data, and sending a "command complete" signal to the external device, if it is
determined that there exists enough free space to store a subsequent unit of write data.
10 The disk drive unit includes: a random access recording medium, a command
memory, a buffer memory, and a logic circuit for determining whether or not enough
free space exists in the buffer memory to store a subsequent unit of write data, with a
predetermined reference value representing the amount of free space occupied by a
typical unit of write data.